IN THE CLAIMS:

Kindly amend claims 9 and 16, cancel claims 7, 8, 10-15, and 21-24 without prejudice or admission, and add new claims 25-34 as shown in the following listing of claims, which replaces all previous versions and listings of claims in this application.

1. - 8. (canceled).

9. (currently amended) A magnet for a rotor of ~~a~~ an outer rotor type motor, the magnet comprising: a cylindrical-shaped permanent magnet having a plurality of magnetic domains magnetized in a radial direction and arranged at regular intervals in a circumferential direction; wherein a thickness t in the radial direction of the permanent magnet satisfies the relation of $t \leq \pi D/(NM - \pi)$, where D represents an inner diameter of the permanent magnet having a value of 20 mm or less, N represents the number of the magnetic domains, and M represents the number of alternating current phases for driving the outer rotor type motor.

10. - 15. (canceled).

16. (currently amended) A motor comprising:

a rotor portion having a rotational body, a rotational shaft arranged on an axial line of the rotational body, and a permanent magnet arranged around the rotational body, the permanent magnet having a plurality of magnetic domains magnetized in a radial direction and arranged at regular intervals in a circumferential direction, a thickness t in the radial direction of the permanent magnet satisfying the relation of $t \leq \pi D/(NM - \pi)$, where D represents an inner diameter of the permanent magnet having a value of 20 mm or less, N represents the number of the magnetic domains, and M represents the number of alternating current phases for driving the motor;

a stator portion having a plurality of stator coils ~~confronting the permanent magnet and being~~ excitable with alternating current, the permanent magnet surrounding an outer circumference of the stator portion so that the stator coils confront an inner peripheral surface of the permanent magnet; and

a bearing portion rotatably and pivotally supporting the rotational shaft relative to the stator portion so that the rotational body and the stator coils are concentric to each other.

17. (previously presented) A motor according to claim 16; wherein the rotational body is symmetrical about the axial line thereof.

18. (previously presented) A motor according to claim 16; wherein the permanent magnet is generally cylindrical-shaped.

19. (previously presented) A motor according to claim 16; wherein the permanent magnet has aligned magnetizing directions.

20. (previously presented) A motor according to claim 16; wherein the permanent magnet is formed of an Sm-Co based magnetic material.

21. - 24. (canceled).

25. (new) A magnet according to claim 9; wherein the permanent magnet is formed of an Sm-Co based magnetic material.

26. (new) A magnet according to claim 9; wherein the magnetic domains of the permanent magnet have aligned magnetizing directions.

27. (new) A motor according to claim 16; wherein the motor comprises an outer rotor type motor.

28. (new) A motor comprising:

a stator portion having a base and a plurality of stator coils mounted on an outer surface portion of the base;

a rotor portion having a rotational body surrounding the outer surface portion of the base; and

a permanent magnet mounted on an inner surface portion of the rotational body so as to confront the stator coils, the permanent magnet having a plurality of magnetic domains magnetized in a radial direction and arranged at regular intervals in a circumferential direction, a thickness t in the radial direction of the permanent magnet satisfying the relation of $t \leq \pi D/(NM - \pi)$, where D represents an inner diameter of the permanent magnet having a value of 20 mm or less, N represents the number of the magnetic domains, and M represents the number of alternating current phases for driving the motor.

29. (new) A motor according to claim 28; wherein the rotor portion has a rotational shaft; and further comprising a bearing portion rotatably and pivotally supporting the rotational shaft relative to the stator portion so that the rotational body and the stator coils are concentric to each other.

30. (new) A motor according to claim 28; wherein the motor comprises an outer rotor type motor.

31. (new) A motor according to claim 28; wherein the rotational body is symmetrical about an axial line thereof.

32. (new) A motor according to claim 28; wherein the permanent magnet is generally cylindrical-shaped.

33. (new) A motor according to claim 28; wherein the permanent magnet has aligned magnetizing directions.

34. (new) A motor according to claim 28; wherein the permanent magnet is formed of an Sm-Co based magnetic material.